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### 1 [Dynamic coordination of information management services for processing dynamic web content](#)

In-Young Ko, Ke-Thia Yao, Robert Neches

May 2002 **WWW '02: Proceedings of the 11th international conference on World Wide Web**

**Publisher:** ACM

Full text available: Pdf (1.15 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 50, Downloads (Overall): 1381, Citation Count: 3

Dynamic Web content provides us with time-sensitive and continuously changing data. To glean up-to-date information, users need to regularly browse, collect and analyze this Web content. Without proper tool support this information management task is ...

**Keywords:** dynamic service coordination, dynamic web content, scalable component-based software systems, semantic interoperability, web information management systems

### 2 [Laminar: practical fine-grained decentralized information flow control](#)

Indrajit Roy, Donald E. Porter, Michael D. Bond, Kathryn S. McKinley, Emmett Witchel

June 2009 **PLDI '09: Proceedings of the 2009 ACM SIGPLAN conference on Programming language design and implementation**

**Publisher:** ACM [Request Permissions](#)

Full text available: Pdf (258.90 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 24, Downloads (12 Months): 228, Downloads (Overall): 228, Citation Count: 0

Decentralized information flow control (DIFC) is a promising model for writing programs with powerful, end-to-end security guarantees. Current DIFC systems that run on commodity hardware can be broadly categorized into two types: language-level and operating ...

**Keywords:** information flow control, java virtual machine, operating systems, security region

Also published in:

May 2009 **SIGPLAN Notices** Volume 44 Issue 6

### 3 [Proceeding of the twenty-sixth annual SIGCHI conference on Human factors in computing systems](#)

Mary Czerwinski, Arnie Lund, Desney Tan

April 2008 **CHI '08: Proceeding of the twenty-sixth annual SIGCHI conference on Human factors in computing systems**

**Publisher:** ACM

Additional Information: [full citation](#)

**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 0

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4 [Assembling personal speech collections by monologue scene detection from a news video archive](#)

 [Ichiro Ide, Naoki Sekioka, Tomokazu Takahashi, Hiroshi Murase](#)

October **MI R '06**: Proceedings of the 8th ACM international workshop on Multimedia information retrieval 2006

**Publisher:** ACM  [Request Permissions](#)


Full text available:  Pdf (1.73 MB) **Additional Information:** [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 20, Downloads (Overall): 143, Citation Count: 0

Monologue scenes in news shows are important since they contain non-verbal information that could not be expressed through text media. In this paper, we propose a method that detects monologue scenes by individuals in news shows (news subjects) without ...

**Keywords:** closed-caption text, dynamic speech modeling, face detection, personal namannotation

5 [Associating synchronization constraints with data in an object-oriented language](#)

 [Mandana Vaziri, Frank Tip, Julian Dolby](#)

January **POPL '06**: Conference record of the 33rd ACM SIGPLAN-SIGACT symposium on Principles of programming languages

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (254.75 KB) **Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 17, Downloads (12 Months): 146, Downloads (Overall): 638, Citation Count: 24


Concurrency-related bugs may happen when multiple threads access shared data and interleave in ways that do not correspond to any sequential execution. Their absence is not guaranteed by the traditional notion of "data race" freedom. We present a new ...

**Keywords:** concurrent object-oriented programming, data races, programming model, serializability

Also published in:


January 2006 **SIGPLAN Notices** Volume 41 Issue 1

6 [Context-oriented software transactional memory in common lisp](#)

 [Pascal Costanza, Charlotte Herzeel, Theo D'Hondt](#)

October 2009 **DLS '09**: Proceedings of the 5th symposium on Dynamic languages

**Publisher:** ACM  [Request Permissions](#)


Full text available:  Pdf (400.32 KB) **Additional Information:** [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 11, Downloads (12 Months): 30, Downloads (Overall): 30, Citation Count: 0

Software transactional memory (STM) is a promising approach for coordinating concurrent threads, for which many implementation strategies are currently being researched. Although some first steps exist to ease experimenting with different strategies, ...

**Keywords:** context-oriented programming, framework design, software transactional memory

7 [MIREs: an information exchange system for mobile phones](#)

 [Qing Li, Xiang Li, Jian Zhai, Liu Wenyin](#)

March 2004 **SAC '04**: Proceedings of the 2004 ACM symposium on Applied computing

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (222.23 KB) **Additional Information:** [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 36, Downloads (Overall): 816, Citation Count: 0

Mobile computing has been studied in the past few years on many respects: adaptive application, mobility model, data access and so on. However, most research aim at a general computing framework but not focus on a specific device, for example, mobile ...

**Keywords:** distributed data management, mobile resource sharing

8 [Communications of the ACM: Volume 51 Issue 7](#)

July 2008

Communications of the ACM

**Publisher:** ACMFull text available: [Digital Edition](#), Pdf (6.54 MB)Additional Information: [full citation](#)**Bibliometrics:** Downloads (6 Weeks): 2782, Downloads (12 Months): 3178, Downloads (Overall): 6401, Citation Count: 09 [Sort vs. Hash revisited: fast join implementation on modern multi-core CPUs](#)

Changkyu Kim, Tim Kaldewey, Victor W. Lee, Eric Sedlar, Anthony D. Nguyen, Nadathur Satish, Jatin Chhugani, Andrea Di Blas, Pradeep Dubey

August 2009 **Proceedings of the VLDB Endowment**, Volume 2 Issue 2**Publisher:** VLDB Endowment

Full text available: Pdf (1.17 MB)

Additional Information: [full citation](#), [abstract](#), [references](#)**Bibliometrics:** Downloads (6 Weeks): 28, Downloads (12 Months): 28, Downloads (Overall): 28, Citation Count: 0

Join is an important database operation. As computer architectures evolve, the best join algorithm may change hand. This paper re-examines two popular join algorithms -- hash join and sort-merge join -- to determine if the latest computer architecture ...

10 [A hierarchical load-balancing framework for dynamic multithreaded computations](#)

Vijay Karamcheti, Andrew A. Chien

November 1998 **Supercomputing '98: Proceedings of the 1998 ACM/ IEEE conference on Supercomputing 1998** (CDROM)**Publisher:** IEEE Computer Society

Full text available: Pdf (120.01 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 37, Downloads (Overall): 326, Citation Count: 1

High-level parallel programming models that support dynamic fine-grained threads in a global object space, are becoming increasingly popular for expressing irregular applications based on sophisticated adaptive algorithms and pointer-based data structures. ...

11 [Towards geo-spatial hypermedia: Concepts and prototype implementation](#)

Kaj Grønbaek, Peter Posselt Vestergaard, Peter Ørbæk

June 2002 **HYPERTEXT '02: Proceedings of the thirteenth ACM conference on Hypertext and hypermedia****Publisher:** ACM [Request Permissions](#)

Full text available: Pdf (940.36 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 9, Downloads (12 Months): 72, Downloads (Overall): 849, Citation Count: 17

This paper combines spatial hypermedia with techniques from Geographical Information Systems and location based services. We describe the Topos 3D Spatial Hypermedia system and how it has been developed to support geo-spatial hypermedia coupling hypermedia ...

**Keywords:** 3D, GIS, geo-spatial, information management, spatial hypermedia12 [IDM: a unified and versatile data model for personal dataspace management](#)

Jens-Peter Dittrich, Marcos Antonio Vaz Salles


September 2006 **VLDB '06: Proceedings of the 32nd international conference on Very large data bases****Publisher:** VLDB Endowment

Full text available: Pdf (957.16 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 81, Downloads (Overall): 414, Citation Count: 6


Personal Information Management Systems require a powerful and versatile data model that is able to represent a highly heterogeneous mix of data such as relational data, XML, file content, folder hierarchies, emails and email attachments, data streams, ...

13 [An open-source CVE for programming education: a case study](#)

 [Andrew M. Phelps](#), [Christopher A. Egert](#), [Kevin J. Bierre](#), [David M. Parks](#)

July 2005 **SIGGRAPH '05: SIGGRAPH 2005 Courses**


**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (7.92 MB)

[Additional Information: full citation, references](#)


**Bibliometrics:** Downloads (6 Weeks): 45, Downloads (12 Months): 341, Downloads (Overall): 1346, Citation Count: 0

14 [Atomic topical segments detection for instructional videos](#)

 [Ying Li](#), [Youngja Park](#), [Chitra Dorai](#)

October 2006 **MULTIMEDIA '06: Proceedings of the 14th annual ACM international conference on Multimedia 2006**

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (203.01 KB)


[Additional Information: full citation, abstract, references, index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 21, Downloads (Overall): 171, Citation Count: 1

This paper presents our latest work on structuring instructional videos into units of *atomic topical segment* so as to facilitate topic-based video browsing and offer efficient video authoring. Specifically, we developed a comprehensive text analysis ...


**Keywords:** instructional video content analysis, multimodal feature integration, text analysis, video segmentation

15 [Annotation architecture for mobile collaborative mapping](#)

 [Chien Jon Soon](#), [Paul Roe](#)

November 2008 **MoMM '08: Proceedings of the 6th International Conference on Advances in Mobile Computing and Multimedia**

**Publisher:** ACM

Full text available:  Pdf (215.93 KB)


[Additional Information: full citation, abstract, references, index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 11, Downloads (12 Months): 161, Downloads (Overall): 163, Citation Count: 0

This paper presents the Mobile Collaborative Annotation (MCA) framework, a client-server framework for revision based annotation that enables browser-based offline work and collaborative annotation. The capabilities of MCA are demonstrated by an application ...


**Keywords:** computer supported collaborative work, geographic information systems, mobile computing, rich internet applications

16 [Dynamic communication models in embedded system co-simulation](#)

 [Ken Hines](#), [Gaetano Borriello](#)

June 1997 **DAC '97: Proceedings of the 34th annual Design Automation Conference**

**Publisher:** ACM  [Request Permissions](#)



Full text available:  Pdf (120.65 KB)

[Additional Information: full citation, abstract, references, cited by, index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 49, Downloads (Overall): 290, Citation Count: 22

Many co-simulation techniques either suffer from poor performance when simulating communications intensive systems, or they represent communications with a uniformly low level of detail. This paper presents a technique which allows communication to be represented ...

**17** [Conceptual modeling and code generation for rich internet applications](#)




 [Alessandro Bozzon](#), [Sara Comai](#), [Piero Fraternali](#), [Giovanni Toffetti](#), [Carughi](#)  
 July 2006 **ICWE '06**: Proceedings of the 6th international conference on Web engineering  
**Publisher:** ACM  
 Full text available:  Pdf (690.56 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 36, Downloads (12 Months): 340, Downloads (Overall): 1283, Citation Count: 3

This paper addresses conceptual modeling and automatic code generation for Rich Internet Applications, a variant of Web-based systems bridging desktop and thin-client Web interfaces. We show how classical Web modeling concepts are not enough to capture the ...

**Keywords:** rich internet applications, web engineering, web site design

**18** [Concurrency and distribution in object-oriented programming](#)




 [Jean-Pierre Briot](#), [Rachid Guerraoui](#), [Klaus-Peter Lohr](#)  
 September 1998 **Computing Surveys (CSUR)**, Volume 30 Issue 3  
**Publisher:** ACM  Request Permissions  
 Full text available:  Pdf (289.34 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 22, Downloads (12 Months): 250, Downloads (Overall): 2229, Citation Count: 20

This paper aims at discussing and classifying the various ways in which the object paradigm is used in concurrent and distributed contexts. We distinguish among the library approach, the integrative approach, and the ...


**Keywords:** concurrency, distribution, integration, libraries, message passing, object, reflection

**19** [Communications of the ACM: Volume 51 Issue 9](#)

 September 2008 **Communications of the ACM**  
**Publisher:** ACM  
 Full text available:  Digital Edition,  Pdf (8.68 MB) Additional Information: [full citation](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 382, Downloads (12 Months): 1431, Downloads (Overall): 4248, Citation Count: 0

**20** [Proceedings of the 15th ACM international conference on Information and knowledge management](#)

 [Philip S. Yu](#), [Vassilis Tsotras](#), [Edward Fox](#), [Bing Liu](#)  
 November 2006 **CIKM '06**: Proceedings of the 15th ACM international conference on Information and knowledge management  
**Publisher:** ACM  
 Additional Information: [full citation](#), [abstract](#)





**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 1

We welcome you to the 15th ACM Conference on Information and Knowledge (CIKM 2006). This year CIKM received a record 537 submissions! From these we accepted 81 (15%) as full papers. Due to the quality of submissions, we additionally accepted 56 posters. ...

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